

ATTACHMENT 5
September 2008 - Groundwater Sample Information Sheets

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: <u>169D</u>	Well Location:

Monitoring Well Data	
Well Material	<u>(PVC/SS/Teflon)</u>
Inside Diameter, in.	<u>(1.246)</u>
Stick up or stick down height	ft
Total depth of well (TD)	<u>35.2</u> ft
Depth to product	ft
Depth to water (DTW)	<u>20.48</u> ft

Sample Types (circle all applicable)
<u>Monitoring Well</u>
Grab Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other _____

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	<u>32.2</u> ft
Bubbles purged from flow cell?	Y / N
Is drawdown > 0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
<u>Performed</u>	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	<u>16.37</u>	<u>16.64</u>	<u>16.64</u>				
Spec. Cond (µmhos)	+/- 3%	<u>976</u>	<u>1038</u>	<u>1040</u>				
D.O. (mg/L)	+/- 10%**	<u>-249.9, 34</u>	<u>.36</u>	<u>.34</u>				
pH	+/- 0.1	<u>14.00</u>	<u>14.00</u>	<u>14.00</u>				
ORP (mV)	+/- 10 mV**	<u>-249.9</u>	<u>-249.7</u>	<u>-248.7</u>				
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/23/08 Sample Time: 9:30 (military time)

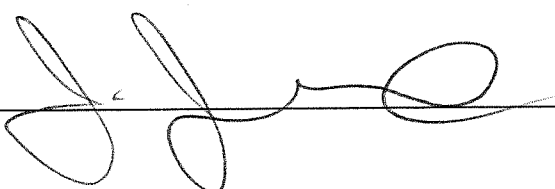
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES NO explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: GOOD

Signature:  Date: 9/23/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 1695	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	23.7 ft
Depth to product	ft
Depth to water (DTW)	20.48 ft

Sample Types (circle all applicable)	
<input checked="" type="checkbox"/> Monitoring Well	
<input checked="" type="checkbox"/> Grab/Composite	
<input type="checkbox"/> Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	20.7 ft
Bubbles purged from flow cell?	Y / N
Is drawdown > 0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	16.08	16.01	15.98				
Spec. Cond (µmhos)	+/- 3%	1016	1016	1015				
D.O. (mg/L)	+/- 10%**	.86	.87	.88				
pH	+/- 0.1	7.90	7.75	7.79				
ORP (mV)	+/- 10 mV**	-33.5	-32.6	-32.3				
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/23/08 Sample Time: 10:20 (military time)

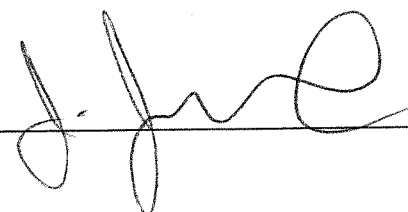
Was metals sample filtered prior to preservation? YES ☒ NO method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition:

Signature:  Date: 9/23/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

City Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 1671	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	32.87 ft
Depth to product	ft
Depth to water (DTW)	18.95 ft

Sample Types (circle all applicable)
<input checked="" type="checkbox"/> Monitoring Well
<input checked="" type="checkbox"/> Grab/Composite
<input type="checkbox"/> Split Sample
<input checked="" type="checkbox"/> Duplicate (Duplicate ID: (Dup))
MS/MSD
Other _____

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	29.87 ft
Bubbles purged from flow cell?	Y / N
Is drawdown > 0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	16.70	16.67	16.70				
Spec. Cond (µmhos)	+/- 3%	832	832	832				
D.O. (mg/L)	+/- 10%**	.27	.27	.26				
pH	+/- 0.1	11.75	11.76	11.90				
ORP (mV)	+/- 10 mV**	-0.3	0.1	0.2				
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/23/08 Sample Time: 10:40 (military time)

Was metals sample filtered prior to preservation? YES ☒ NO ☐ method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO ☐ explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition:

Signature: _____

Date: 9/23/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 1675	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	21.9/ ft
Depth to product	ft
Depth to water (DTW)	18.82 ft

Sample Types (circle all applicable)	
<input checked="" type="checkbox"/> Monitoring Well	
<input checked="" type="checkbox"/> Grab/Composite	
<input type="checkbox"/> Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	18.9/ ft
Bubbles purged from flow cell?	Y / N
Is drawdown >0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	18.02	17.93	17.84	17.80			
Spec. Cond (µmhos)	+/- 3%	2255	2277	2350	2360			
D.O. (mg/L)	+/- 10%**	1.70	1.58	1.51	1.50			
pH	+/- 0.1	8.41	8.60	8.73	8.74			
ORP (mV)	+/- 10 mV**	6.6	6.4	6.2	6.2			
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/23/08 Sample Time: 11:00 (military time)

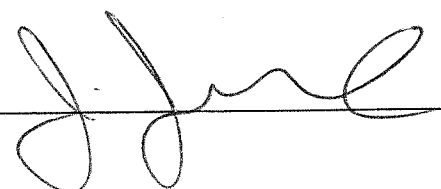
Was metals sample filtered prior to preservation? YES ☒ NO ☐ method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO ☐ explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition:

Signature:  Date: 9/23/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 1652	Well Location:

Monitoring Well Data	
Well Material	(PVC/SS/Teflon)
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	46.5 ft
Depth to product	ft
Depth to water (DTW)	14.35 ft

Sample Types (circle all applicable)	
<input checked="" type="checkbox"/> Monitoring Well	
<input checked="" type="checkbox"/> Grab/Composite	
<input type="checkbox"/> Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	43.5 ft
Bubbles purged from flow cell?	Y / N
Is drawdown > 0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	13.82	13.84	13.92	13.91			
Spec. Cond (µmhos)	+/- 3%	865	905	950	955			
D.O. (mg/L)	+/- 10%**	52	46	42	39			
pH	+/- 0.1	1400	1400	1400	1400			
ORP (mV)	+/- 10 mV**	-41.0	-41.1	-42.2	-43.0			
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/23/08 Sample Time: 11:20 (military time)

Was metals sample filtered prior to preservation? YES ☒ NO ☐ method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO ☐ explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition:

Signature: [Signature] Date: 9/23/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

City Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 1655	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	19.6 ft
Depth to product	ft
Depth to water (DTW)	14.63 ft

Sample Types (circle all applicable)	
<input checked="" type="checkbox"/> Monitoring Well	
<input checked="" type="checkbox"/> Grab/Composite	
<input type="checkbox"/> Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	16.6 ft
Bubbles purged from flow cell?	Y / N
Is drawdown >0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	18.89	18.95	18.99				
Spec. Cond (µmhos)	+/- 3%	633	633	634				
D.O. (mg/L)	+/- 10%**	.44	.39	.36				
pH	+/- 0.1	14.00	14.00	14.00				
ORP (mV)	+/- 10 mV**	-51.4	-51.2	-50.5				
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/23/08 Sample Time: 11:30 (military time)

Was metals sample filtered prior to preservation? YES ☒ NO method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition:

Signature:  Date: 9/23/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 1660	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	49.7 ft
Depth to product	ft
Depth to water (DTW)	15.09 ft

Sample Types (circle all applicable)	
<input checked="" type="checkbox"/> Monitoring Well	
<input type="checkbox"/> Grab/Composite	
<input type="checkbox"/> Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	46.7 ft
Bubbles purged from flow cell?	Y / N
Is drawdown > 0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	17.51	17.51	17.49				
Spec. Cond (µmhos)	+/- 3%	764	767	770				
D.O. (mg/L)	+/- 10%**	1.32	1.30	1.28				
pH	+/- 0.1	14.00	14.00	14.00				
ORP (mV)	+/- 10 mV**	-40.3	-40.5	-40.6				
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/23/08 Sample Time: 12:00 (military time)

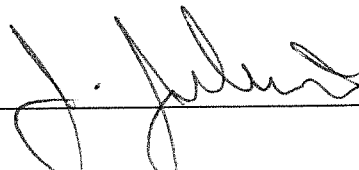
Was metals sample filtered prior to preservation? YES ☒ NO ☐ method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO ☐ explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition:

Signature:  Date: 9/23/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 1665	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	19.2 ft
Depth to product	ft
Depth to water (DTW)	15.31 ft

Sample Types (circle all applicable)	
<input checked="" type="checkbox"/> Monitoring Well	
<input checked="" type="checkbox"/> Grab/Composite	
<input type="checkbox"/> Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	16.2 ft
Bubbles purged from flow cell?	Y / N
Is drawdown >0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	19.57	19.59	19.56				
Spec. Cond (µmhos)	+/- 3%	947	948	950				
D.O. (mg/L)	+/- 10%**	.28	.27	.27				
pH	+/- 0.1	14.00	14.00	14.20				
ORP (mV)	+/- 10 mV**	-53.5	-53.7	-54.0				
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/23/08 Sample Time: 12:20 (military time)

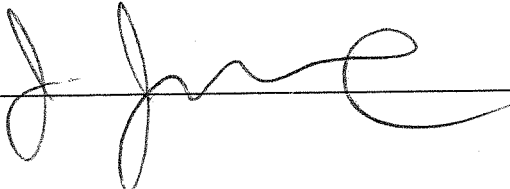
Was metals sample filtered prior to preservation? YES ☒ NO ☐ method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO ☐ explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition:

Signature:  Date: 9/23/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

City Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 1474	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	29 ft
Depth to product	ft
Depth to water (DTW)	29 / 1.89 ft

Sample Types (circle all applicable)	
Monitoring Well	
Grab/Composite	
Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	26 ft
Bubbles purged from flow cell?	Y / N
Is drawdown >0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	17.41	17.42	17.44	17.44			
Spec. Cond (µmhos)	+/- 3%	3325	3308	3278	3274			
D.O. (mg/L)	+/- 10%**	.71	.53	.52	.49			
pH	+/- 0.1	14.00	14.00	14.00	14.00			
ORP (mV)	+/- 10 mV**	-4.7	-5.3	-6.0	-6.1			
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/23/08 Sample Time: 12:40 (military time)

Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____

Color of water before filtration: ✓ After filtration: _____

Reaction upon addition of preservatives? YES NO explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: GOOD

Signature:  Date: 9/23/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

City Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 132 R	Well Location:

Monitoring Well Data	
Well Material	(PVC) SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	1915 ft
Depth to product	ft
Depth to water (DTW)	962 ft

Sample Types (circle all applicable)	
<input checked="" type="checkbox"/> Monitoring Well	
<input checked="" type="checkbox"/> Grab/Composite	
<input type="checkbox"/> Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	16.15 ft
Bubbles purged from flow cell?	Y / N
Is drawdown > 0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	19.59	19.71	19.74	19.80			
Spec. Cond (µmhos)	+/- 3%	2528	2561	2554	2550			
D.O. (mg/L)	+/- 10%**	2.87	2.97	3.06	3.08			
pH	+/- 0.1	14.00	14.00	14.00	14.00			
ORP (mV)	+/- 10 mV**	-14.6	-14.6	-14.5	-14.5			
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/23/08 Sample Time: 13:00 (military time)

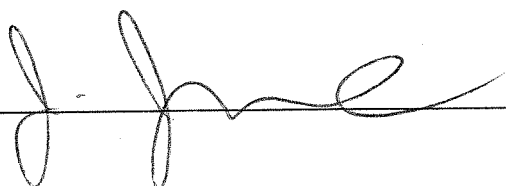
Was metals sample filtered prior to preservation? YES ☒ NO ☐ method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO ☐ explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: Good

Signature:  Date: 9/23/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

City Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 148	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	24.85 ft
Depth to product	ft
Depth to water (DTW)	11.75 ft

Sample Types (circle all applicable)	
<input checked="" type="checkbox"/> Monitoring Well	
<input type="checkbox"/> Grab/Composite	
<input type="checkbox"/> Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	21.85 ft
Bubbles purged from flow cell?	Y / N
Is drawdown >0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	16.82	16.83	16.83	16.83			
Spec. Cond (µmhos)	+/- 3%	1747	1749	1744	1741			
D.O. (mg/L)	+/- 10%**	.69	.54	.53	.42			
pH	+/- 0.1	14.00	14.00	14.00	14.00			
ORP (mV)	+/- 10 mV**	-4.8	-4.9	-5.2	-5.6			
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/23/08 Sample Time: 13:20 (military time)

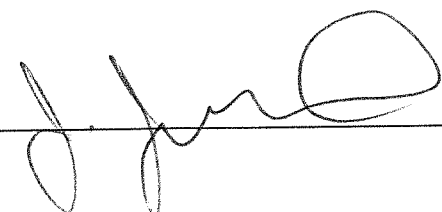
Was metals sample filtered prior to preservation? YES ☒ NO ☐ method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO ☐ explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: Good

Signature:  Date: 9/23/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

City Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 133 E	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.24 6)
Stick up or stick down height	ft
Total depth of well (TD)	16 ft
Depth to product	ft
Depth to water (DTW)	11.84 ft

Sample Types (circle all applicable)
<input checked="" type="checkbox"/> Monitoring Well
<input checked="" type="checkbox"/> Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other _____

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	13 ft
Bubbles purged from flow cell?	Y / N
Is drawdown >0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	22.57	22.63	22.65				
Spec. Cond (µmhos)	+/- 3%	1215	1207	1203				
D.O. (mg/L)	+/- 10%**	.33	.32	.31				
pH	+/- 0.1	14.00	14.00	14.00				
ORP (mV)	+/- 10 mV**	-12.0	-11.9	-11.9				
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9 / 23 / 08 Sample Time: 13 : 40 (military time)

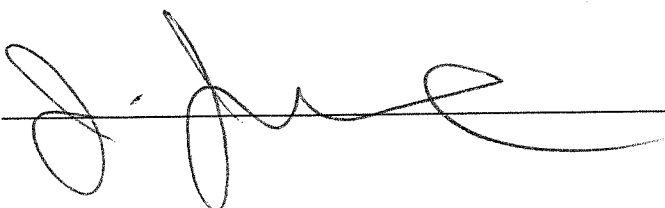
Was metals sample filtered prior to preservation? YES ☒ NO ☐ method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO ☐ explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: GOOD

Signature:  Date: 9/23/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

City Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 152	Well Location:

Monitoring Well Data	
Well Material	(PVC/SS/Teflon)
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	18.6 ft
Depth to product	ft
Depth to water (DTW)	13.95 ft

Sample Types (circle all applicable)
<input checked="" type="checkbox"/> Monitoring Well
<input checked="" type="checkbox"/> Grab/Composite
<input type="checkbox"/> Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other _____

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	15.6 ft
Bubbles purged from flow cell?	Y / N
Is drawdown > 0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Performed								
Temperature (°C)	+/- 3%	19.55	19.52	19.49				
Spec. Cond (µmhos)	+/- 3%	795	792	792				
D.O. (mg/L)	+/- 10%**	5.18	5.23	5.29				
pH	+/- 0.1	9.51	9.53	9.56				
ORP (mV)	+/- 10 mV**	22.4	22.5	23.1				
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/23/08 Sample Time: 14:00 (military time)

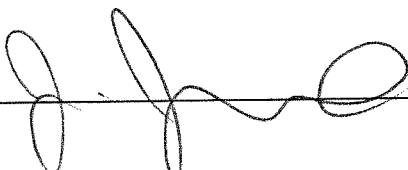
Was metals sample filtered prior to preservation? YES ☒ NO method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO explain: _____

Appearance of Water: (Clear) Slightly Turbid / Turbid / Very Turbid

Well condition: Good

Signature:  Date: 9/23/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

City Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 146	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	23.2 ft
Depth to product	ft
Depth to water (DTW)	10.01 ft

Sample Types (circle all applicable)
<input checked="" type="checkbox"/> Monitoring Well
<input checked="" type="checkbox"/> Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other _____

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	20.2 ft
Bubbles purged from flow cell?	Y / N
Is drawdown > 0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	17.36	17.21	17.10				
Spec. Cond (µmhos)	+/- 3%	1187	1158	1156				
D.O. (mg/L)	+/- 10%**	5.6	4.7	4.1				
pH	+/- 0.1	6.44	6.51	6.57				
ORP (mV)	+/- 10 mV**	33.0	34.6	35.0				
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/27/08 Sample Time: 14:20 (military time)

Was metals sample filtered prior to preservation? YES ☒ NO ☐ method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO ☐ explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: Good

Signature:  Date: 9/27/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

City Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 10-12	Well Location:

Monitoring Well Data	
Well Material	(PVC/SS/Teflon)
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	18.57 ft
Depth to product	ft
Depth to water (DTW)	14.80 ft

Sample Types (circle all applicable)
<input checked="" type="checkbox"/> Monitoring Well
<input checked="" type="checkbox"/> Grab/Composite
<input type="checkbox"/> Split Sample
<input checked="" type="checkbox"/> Duplicate (Duplicate ID: 1A-p)
<input checked="" type="checkbox"/> MS/MSD
Other _____

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	15.57 ft
Bubbles purged from flow cell?	Y / N
Is drawdown > 0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	17.23	17.22	17.22				
Spec. Cond (µmhos)	+/- 3%	764	765	765				
D.O. (mg/L)	+/- 10%**	1.41	1.40	1.40				
pH	+/- 0.1	6.82	6.85	6.89				
ORP (mV)	+/- 10 mV**	46.7	46.7	46.9				
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/23/08 Sample Time: 14:35 (military time)

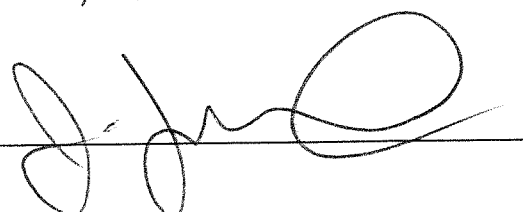
Was metals sample filtered prior to preservation? YES ☒ NO method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: Good

Signature:  Date: 9/23/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

City Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: <u>150</u>	Well Location:

Monitoring Well Data	
Well Material	(<u>PVC</u> /SS/Teflon)
Inside Diameter, in.	(<u>1.24</u> 6)
Stick up or stick down height	_____ ft
Total depth of well (TD)	<u>18.5</u> ft
Depth to product	_____ ft
Depth to water (DTW)	<u>13.21</u> ft

Sample Types (circle all applicable)	
<input checked="" type="checkbox"/> Monitoring Well	
<input checked="" type="checkbox"/> Grab/Composite	
<input type="checkbox"/> Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	_____ ft
Conversion value (CV)*	x
1 Well volume = H x CV	= _____ gal
3 Well volumes =	= _____ gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	<u>15.5</u> ft
Bubbles purged from flow cell?	Y / N
Is drawdown > 0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	_____ mL/min
ID number from controller console	# _____

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Performed								
Temperature (°C)	+/- 3%	<u>19.06</u>	<u>18.94</u>	<u>18.93</u>				
Spec. Cond (µmhos)	+/- 3%	<u>802</u>	<u>804</u>	<u>806</u>				
D.O. (mg/L)	+/- 10%**	<u>1.47</u>	<u>1.46</u>	<u>1.44</u>				
pH	+/- 0.1	<u>6.74</u>	<u>6.75</u>	<u>6.74</u>				
ORP (mV)	+/- 10 mV**	<u>44.9</u>	<u>44.9</u>	<u>45.0</u>				
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/23/08 Sample Time: 15:00 (military time)

Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES NO explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: Good

Signature: [Signature] Date: 9/23/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

City Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 733 302 (J)	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	54.55 ft
Depth to product	ft
Depth to water (DTW)	13.60 4.86 ft

Sample Types (circle all applicable)	
<input checked="" type="checkbox"/> Monitoring Well	
<input checked="" type="checkbox"/> Grab/Composite	
<input checked="" type="checkbox"/> Split Sample	
<input checked="" type="checkbox"/> Duplicate (Duplicate ID: (D.p))	
<input checked="" type="checkbox"/> MS/MSD	
Other	

Conventional sampling	⇐OR⇒	Micropurge sampling
Height of water column (H = TD - DTW) _____ ft		Depth of pump placement (place mid-screen) _____ 54.55 ft
Conversion value (CV)* _____ x		Bubbles purged from flow cell? _____ Y/N
1 Well volume = H x CV _____ gal		Is drawdown >0.3 feet _____ Y/N
3 Well volumes = _____ gal		Was passive sampling used? _____ Y/N
Purge method (B = bailer, P = pump) _____ B / P		Flowrate = _____ mL/min
		ID number from controller console # _____

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
<u>Performed</u>	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	17.07	17.06	17.03				
Spec. Cond (µmhos)	+/- 3%	517	517	517				
D.O. (mg/L)	+/- 10%**	.11	.11	.11				
pH	+/- 0.1	6.72	6.75	6.77				
ORP (mV)	+/- 10 mV**	48.1	48.2	48.2				
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/23/08 Sample Time: 15:25 (military time)

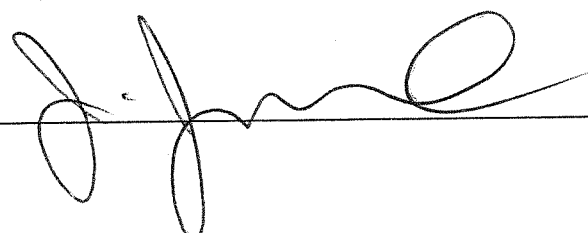
Was metals sample filtered prior to preservation? YES ☒ NO ☐ method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO ☐ explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: GOOD

Signature:  Date: 9/23/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

City Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: <u>302 153 (3)</u>	Well Location:

Monitoring Well Data	
Well Material	<u>(PVC/SS/Teflon)</u>
Inside Diameter, in.	<u>(1.246)</u>
Stick up or stick down height	ft
Total depth of well (TD)	<u>21</u> ft
Depth to product	ft
Depth to water (DTW)	<u>11.46</u> 12.60 ft

Sample Types (circle all applicable)	
<u>Monitoring Well</u>	
Grab Composite	
Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	<u>18</u> ft
Bubbles purged from flow cell?	Y / N
Is drawdown >0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
<u>Performed</u>	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	<u>18.17</u>	<u>18.12</u>	<u>18.12</u>	<u>18.11</u>			
Spec. Cond (µmhos)	+/- 3%	<u>1453</u>	<u>1455</u>	<u>1455</u>	<u>1455</u>			
D.O. (mg/L)	+/- 10%**	<u>5.17</u>	<u>5.26</u>	<u>4.97</u>	<u>4.89</u>			
pH	+/- 0.1	<u>6.89</u>	<u>6.91</u>	<u>6.96</u>	<u>6.97</u>			
ORP (mV)	+/- 10 mV**	<u>46.5</u>	<u>46.7</u>	<u>48.0</u>	<u>48.1</u>			
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/23/08 Sample Time: 15:40 (military time)

Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES NO explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: Good

Signature: [Signature] Date: 9/23/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: <u>FW-2</u>	Well Location:

Monitoring Well Data	
Well Material	(<u>PVC</u>)SS/Teflon
Inside Diameter, in.	(<u>12.46</u>)
Stick up or stick down height	ft
Total depth of well (TD)	<u>16.9</u> ft
Depth to product	ft
Depth to water (DTW)	<u>12.95</u> ft

Sample Types (circle all applicable)	
Monitoring Well	
Grab/Composite	
Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	ft
Bubbles purged from flow cell?	<u>Y / N</u>
Is drawdown > 0.3 feet	<u>Y / N</u>
Was passive sampling used?	<u>Y / N</u>
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
<u>Performed</u>	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	<u>17.98</u>	<u>17.99</u>	<u>17.95</u>	<u>17.94</u>			
Spec. Cond (µmhos)	+/- 3%	<u>686</u>	<u>688</u>	<u>689</u>	<u>689</u>			
D.O. (mg/L)	+/- 10%**	<u>1.40</u>	<u>1.26</u>	<u>1.20</u>	<u>1.15</u>			
pH	+/- 0.1	<u>14.00</u>	<u>14.20</u>	<u>14.06</u>	<u>14.20</u>			
ORP (mV)	+/- 10 mV**	<u>-47.6</u>	<u>-45.9</u>	<u>-45.6</u>	<u>-44.3</u>			
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/24/08 Sample Time: 9:00 (military time)

Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES NO explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: Good

Signature: _____

Date: _____

9/24/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: <u>EW-1</u>	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	14.85 ft
Depth to product	ft
Depth to water (DTW)	11.70 ft

Sample Types (circle all applicable)	
<input checked="" type="checkbox"/> Monitoring Well	
<input checked="" type="checkbox"/> Grab/Composite	
<input type="checkbox"/> Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	11.85 ft
Bubbles purged from flow cell?	Y / N
Is drawdown > 0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	19.66	19.58	19.57	19.52	19.48		
Spec. Cond (µmhos)	+/- 3%	1846	1722	1674	1634	1625		
D.O. (mg/L)	+/- 10%**	.67	.60	.55	.54	.50		
pH	+/- 0.1	14.00	14.00	14.00	14.00	14.00		
ORP (mV)	+/- 10 mV**	-84.0	-84.2	-85.2	-85.1	-85.0		
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/24/08 Sample Time: 9:25 (military time)

Was metals sample filtered prior to preservation? YES ☒ NO ☐ method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO ☐ explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: Good

Signature: _____

Date: 9/24/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 163	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	19.5 ft
Depth to product	ft
Depth to water (DTW)	11.50 ft

Sample Types (circle all applicable)	
<input checked="" type="checkbox"/> Monitoring Well	
<input checked="" type="checkbox"/> Grab/Composite	
<input type="checkbox"/> Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	16.5 ft
Bubbles purged from flow cell?	Y / N
Is drawdown >0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	18.44	18.45	18.53				
Spec. Cond (µmhos)	+/- 3%	567	560	558				
D.O. (mg/L)	+/- 10%**	1.38	1.36	1.35				
pH	+/- 0.1	8.69	8.66	8.65				
ORP (mV)	+/- 10 mV**	-46.2	-41.7	-41.3				
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/24/08 Sample Time: 9:50 (military time)

Was metals sample filtered prior to preservation? YES ☒ NO ☐ method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO ☐ explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: Good

Signature: _____

Date: _____

9/24/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 173	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	17.67 ft
Depth to product	ft
Depth to water (DTW)	13.35 ft

Sample Types (circle all applicable)	
Monitoring Well	
Grab/Composite	
Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	14.67 ft
Bubbles purged from flow cell?	Y / N
Is drawdown >0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	18.99	19.01	18.99				
Spec. Cond (µmhos)	+/- 3%	672	672	671				
D.O. (mg/L)	+/- 10%**	1.21	1.20	1.19				
pH	+/- 0.1	10.52	10.21	10.40				
ORP (mV)	+/- 10 mV**	35.6	38.0	38.1				
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/24/08 Sample Time: 10:10 (military time)

Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES NO explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: Good

Signature: _____

Date: _____

9/24/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 156	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	18.6 ft
Depth to product	ft
Depth to water (DTW)	12.35 ft

Sample Types (circle all applicable)
<input checked="" type="checkbox"/> Monitoring Well
<input checked="" type="checkbox"/> Grab/Composite
<input type="checkbox"/> Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other _____

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	15.6 ft
Bubbles purged from flow cell?	Y / N
Is drawdown > 0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	17.94	17.83	17.88	17.88			
Spec. Cond (µmhos)	+/- 3%	952	940	930	936			
D.O. (mg/L)	+/- 10%**	.70	.62	.60	.60			
pH	+/- 0.1	14.00	14.00	14.08	14.00			
ORP (mV)	+/- 10 mV**	-23.5	-26.3	-26.9	-30.0			
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/24/08 Sample Time: 10:40 (military time)

Was metals sample filtered prior to preservation? YES ☒ NO ☐ method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO ☐ explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: Good

Signature: _____

Date: _____

9/24/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 151	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.24) 6
Stick up or stick down height	ft
Total depth of well (TD)	18.6 ft
Depth to product	ft
Depth to water (DTW)	14.33 ft

Sample Types (circle all applicable)	
Monitoring Well	
Grab/Composite	
Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	15.6 ft
Bubbles purged from flow cell?	Y / N
Is drawdown > 0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	16.29	16.17	16.16	16.20			
Spec. Cond (µmhos)	+/- 3%	737	746	736	737			
D.O. (mg/L)	+/- 10%**	2.28	1.87	1.61	1.56			
pH	+/- 0.1	14.00	14.00	14.00	14.00			
ORP (mV)	+/- 10 mV**	-87.9	-88.1	-89.1	-89.2			
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/24/08 Sample Time: 11:10 (military time)

Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES NO explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: Good

Signature: _____

Date: _____

9/24/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 157	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	17.6 ft
Depth to product	ft
Depth to water (DTW)	12.18 ft

Sample Types (circle all applicable)	
Monitoring Well	
Grab/Composite	
Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	14.6 ft
Bubbles purged from flow cell?	Y / N
Is drawdown > 0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	15.54	15.49	15.43				
Spec. Cond (µmhos)	+/- 3%	664	665	667				
D.O. (mg/L)	+/- 10%**	1.18	.98	.97				
pH	+/- 0.1	14.00	14.00	14.00				
ORP (mV)	+/- 10 mV**	-83.3	-84.0	-85.1				
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/24/08 Sample Time: 11:40 (military time)

Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES NO explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: Good

Signature: _____

Date: _____

9/24/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: <u>164</u>	Well Location:

Monitoring Well Data	
Well Material	(<u>PVC</u>)SS/Teflon
Inside Diameter, in.	(<u>1.24</u>) 6
Stick up or stick down height	_____ ft
Total depth of well (TD)	<u>25</u> ft
Depth to product	_____ ft
Depth to water (DTW)	<u>19.06</u> ft

Sample Types (circle all applicable)
<u>Monitoring Well</u>
Grab Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other _____

Conventional sampling	
Height of water column (H = TD - DTW)	_____ ft
Conversion value (CV)*	<u>x</u>
1 Well volume = H x CV	= _____ gal
3 Well volumes =	= _____ gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	<u>22</u> ft
Bubbles purged from flow cell?	Y / N
Is drawdown > 0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	_____ mL/min
ID number from controller console	# _____

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
<u>Performed</u>	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	<u>16.34</u>	<u>16.35</u>	<u>16.34</u>	_____	_____	_____	_____
Spec. Cond (µmhos)	+/- 3%	<u>895</u>	<u>895</u>	<u>896</u>	_____	_____	_____	_____
D.O. (mg/L)	+/- 10%**	<u>1.89</u>	<u>1.83</u>	<u>1.79</u>	_____	_____	_____	_____
pH	+/- 0.1	<u>14.00</u>	<u>14.00</u>	<u>14.00</u>	_____	_____	_____	_____
ORP (mV)	+/- 10 mV**	<u>-104.0</u>	<u>-104.2</u>	<u>-104.5</u>	_____	_____	_____	_____
Turbidity (NTU)	+/- 10%**	_____	_____	_____	_____	_____	_____	_____
H ₂ S (mg/L)		_____	_____	_____	_____	_____	_____	_____
Fe ²⁺ (mg/L)		_____	_____	_____	_____	_____	_____	_____

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/24/08 Sample Time: 12:10 (military time)

Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES NO explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: GOOD

Signature: _____

Date: 9/24/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 160	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	ft
Depth to product	ft
Depth to water (DTW)	ft

Sample Types (circle all applicable)	
<input checked="" type="checkbox"/> Monitoring Well	
<input checked="" type="checkbox"/> Grab/Composite	
<input type="checkbox"/> Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	ft
Bubbles purged from flow cell?	Y / N
Is drawdown >0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	20.28	20.30	20.31				
Spec. Cond (µmhos)	+/- 3%	1320	1322	1321				
D.O. (mg/L)	+/- 10%**	4.34	4.35	4.35				
pH	+/- 0.1	14.00	14.00	14.00				
ORP (mV)	+/- 10 mV**	-14.2	-15.1	-14.9				
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/24/05 Sample Time: 13:00 (military time)

Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES NO explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: G000

Signature: _____

Date: _____

9/24/05

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 76 161	Well Location:

Monitoring Well Data	
Well Material	(PVC)SS/Teflon
Inside Diameter, in.	(1.246)
Stick up or stick down height	ft
Total depth of well (TD)	ft
Depth to product	ft
Depth to water (DTW)	ft

Sample Types (circle all applicable)	
<input checked="" type="checkbox"/> Monitoring Well	
<input checked="" type="checkbox"/> Grab/Composite	
<input type="checkbox"/> Split Sample	
Duplicate (Duplicate ID: _____)	
MS/MSD	
Other _____	

Conventional sampling	
Height of water column (H = TD - DTW)	ft
Conversion value (CV)*	x
1 Well volume = H x CV	= gal
3 Well volumes =	= gal
Purge method (B = bailer, P = pump)	B / P

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	ft
Bubbles purged from flow cell?	Y / N
Is drawdown > 0.3 feet	Y / N
Was passive sampling used?	Y / N
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s)	Stability	Result	Result	Result	Result	Result	Result	Result
Performed	Range	(3 min)	(6 min)	(9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	19.46	19.49	19.57				
Spec. Cond (µmhos)	+/- 3%	1708	1708	1708				
D.O. (mg/L)	+/- 10%**	1.34	1.40	1.38				
pH	+/- 0.1	14.00	14.00	14.00				
ORP (mV)	+/- 10 mV**	-8.2	-8.1	-8.0				
Turbidity (NTU)	+/- 10%**							
H ₂ S (mg/L)								
Fe ²⁺ (mg/L)								

Check stability after three readings and every reading thereafter until achieved.

**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 9/24/05 Sample Time: 13:30 (military time)

Was metals sample filtered prior to preservation? YES ☒ NO ☐ method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES ☒ NO ☐ explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition: Good

Signature: _____

Date: 9/24/05